

Remote Control User Guide



Reference Tables

Write down your remote address, channel numbers/inputs, TV, VCR, DVD player, and stereo equipment codes as you program them for future reference.



Remote Address

| | |
|--|--|
| | |
|--|--|

Channel or Input for
Satellite Programming



| |
|--|
| |
|--|

If you enter a "1" as the last number of your code, your remote is in Limited Mode (see page 3 for more details).

TV

TV Code

| | | | |
|--|--|--|---|
| | | | 1 |
|--|--|--|---|

(Optional)

DVD

VCR/DVD Player Code

| | | | |
|--|--|--|---|
| | | | 1 |
|--|--|--|---|

(Optional)

AUX

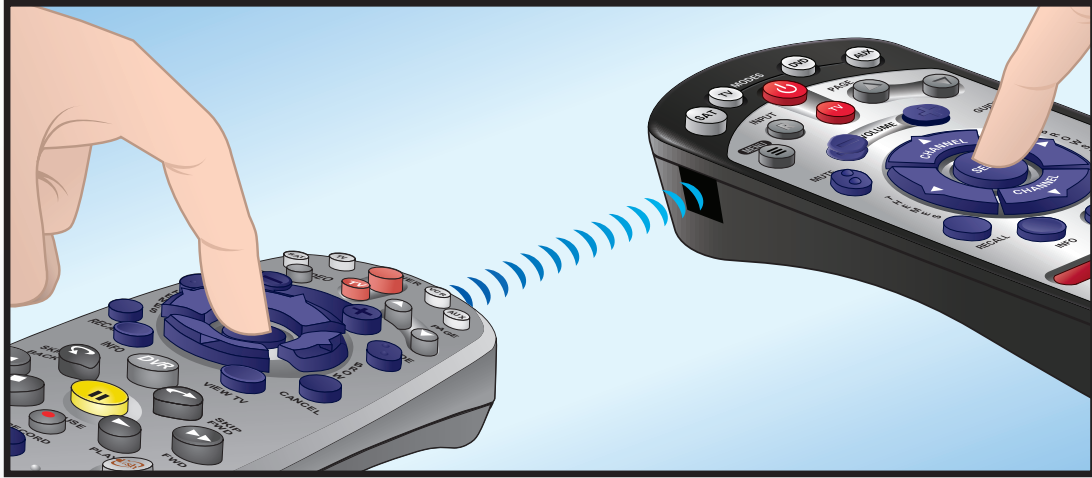
Auxiliary Equipment Code

| | | | | |
|--|--|--|--|---|
| | | | | 1 |
|--|--|--|--|---|

(Optional)

To read out your remote codes, see page 8 for instructions.

Refer to page 9 for detailed instructions on Learning



Refer to page 11 for detailed instructions on System Wizard

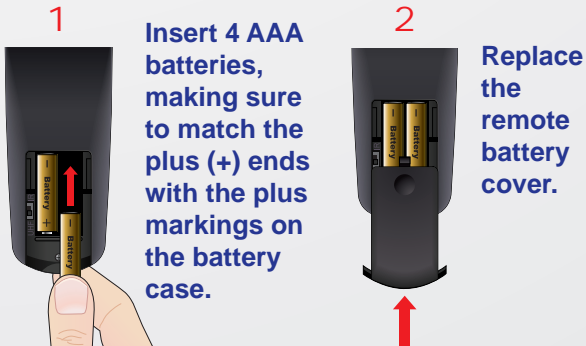


1 Install the Key Correctly

Note: If you will be using the blue TV2 key that comes already installed in your remote, skip this step and proceed with the next step (*Insert the Batteries*).



2 Insert the Batteries



3 Making the Remote Work With Your Receiver

1

If you installed this key, continue with **step 2** on this page.



2

Verify the UHF antenna is installed on the back of the receiver. Verify the UHF/IR Switch is set to UHF.



4



Confirm that you see the System Information screen.



6

Confirm that your remote operates your receiver by pressing remote buttons. If your remote has a blue number 2 key, you may need to go to your remote TV2 location to confirm your remote operates your receiver. If this is not working, go back to **step 5**.

If you installed this key, go to **page 14** inside this guide.

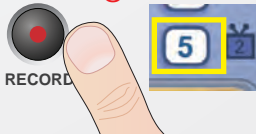


3



Turn your receiver and TV on, and press **SYSTEM INFO** on the front of the receiver.

5



Press **RECORD** on your remote. The remote address will probably change on the screen.

Program the Remote to Control Your TV

To program the remote control to operate a TV, you can enter an Equipment Code (see instructions on page 3).

Or, follow the steps below to scan the database of all Equipment Codes.

Or teach your remote the commands for your TV (see instructions on page 9).

1



Turn your TV on.

2



Press & hold the TV Mode button until all Mode buttons light up.

3



Press **POWER**.

4



Press the **UP ARROW** on the remote repeatedly (1 press per second) until your TV turns off.

5



Press **POUND**.
The TV Mode button will flash three times.

6

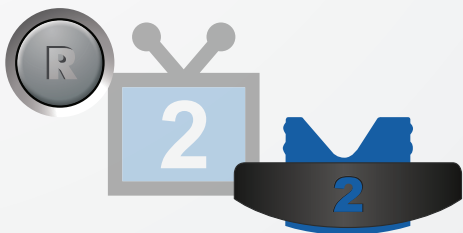


Press the **POWER** button to turn the TV on and try other buttons to make sure the code works. If you want to try another code, start over from **step 1**.

Programming the Recover Button for TV2 Operation

For TV2 Remote Controls on
DISH Player-DVR 522, 625, 942
and ViP222, ViP222k, ViP622 DVR,
ViP722 DVR, ViP722k DVR Receivers

Programming your RECOVER button allows you to easily regain satellite programming if you accidentally change TV channels or inputs.



1



Press & hold the TV Mode button until all Mode buttons light up.

2



Press STAR.

3



Enter the channel number you tune your TV to when you watch satellite programming.

4



Press POUND.

Use the RECOVER button as described in *If You Lose Your Picture* on the next page (C-6).

Placing Your Remote in Limited Mode

Limited Mode locks out all the TV mode operations except for TV power, Mute, and Volume. This prevents you from accidentally tuning away from satellite programming.

1



Press & hold the TV Mode button until all Mode buttons light up.

2



Press the PAGE UP button.

3



Press POUND.

To take the remote out of Limited Mode, use the PAGE DOWN button instead of the PAGE UP button in step 2.

If You Lose Your Picture (How to Use the RECOVER Button)

Use the RECOVER button to get back to watching satellite programming if you accidentally change channels or inputs on your TV.

1



Press and hold RECOVER until all mode buttons light up.

2



If you see the System Information screen, proceed to step 4. Otherwise, continue to step 3.

(Your screen may be different)

3



Press RECOVER again & wait until the mode lights stop flashing. If you see the System Information screen, go to step 4. If not, repeat this step until you do.

4



Press SELECT to resume watching TV.

Remote Operation

SAT Mode

To use the features described in this section, make sure you are in SAT mode by pressing the SAT Mode button.



Note: Some features may not be available depending on your receiver model.

Volume & Mute Buttons

Control TV volume
Programming required (see C-4)

Press this button for SAT Mode

Receiver Power & TV Power
Top button turns the receiver on/off,
Bottom button turns the TV on/off
Programming required (see C-4)

Input
Press once for Input,
Press and hold for Recover

Receiver Menu
Access receiver features and settings

Themes
Search for programs using Themes

Recall
Go back to last channel viewed

Info
Get info on programs

Search
Search for a program

Shortcut Keys
(for future use)

Digital Video Recorder (DVR) Buttons
Pause live TV and play or record programming

Format
Format the picture to the desired width to match the program you are viewing

Picture-In-Picture (PIP) Buttons
Watch two separate programs at once (in Single Mode)

Page Buttons
Page up/down in menus

Program Guide
Display current and future satellite program listings

Browse
See what is on other channels while watching TV

Arrows/Select Buttons
Channel up/down, navigate through menus and select a desired option

View Satellite Programming
Exit out of any menu/guide and go back to viewing live TV

Number Buttons
Enter a channel number, or navigate through menus


System Wizard
Press and hold to fix remote control issues and sync data

DishHOME
Explore interactive TV features



Remote Operation

TV Mode

To use the features described in this section, make sure you are in TV mode by pressing the TV Mode button. 

Remote programming is required. See C-4 for instructions.

Note: If you have programmed the remote in Limited Mode (C-6), only the TV Power, Mute and Volume buttons will control your TV.



Note: Remote operation is different on DISH Network TVs. See your DISH Network TV User's Guide for proper operation.

Remote Operation

DVD Mode



To use the features described in this section, make sure you are in DVD mode by pressing the DVD Mode button. You can use this mode to operate your VCR instead of a DVD player. Remote programming is required. See page 2 for instructions.

Press this button for DVD Mode

DVD/VCR Power & TV Power

Top button turns the DVD player/VCR power on and off, **Bottom button** turns the TV on and off

Input

Switch VCR between its TV & VCR mode

Up/Down Arrow Buttons

Channel up/down on VCR

Pause

Pause a videotape or DVD

Back

Rewind a videotape or reverse a DVD

FWD

Forward a videotape or DVD

Stop

Stop playing a DVD, stop playing or recording a videotape

Play

Play a videotape or DVD

Record

Record on a videotape

Number Buttons
Enter a channel number for DVD



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REMOTE CONTROL OVERVIEW

Use this full-function remote control to operate the ViP®722k DVR and ViP222k DISH Network receivers. Also, you can program the remote control to operate most of the popular brands of audio/video equipment like a TV, a DVD player (or VCR), or a second DISH Network satellite receiver. See *Programming for Other Equipment* on page 2.

Note: This remote control may have features not used by your receiver.

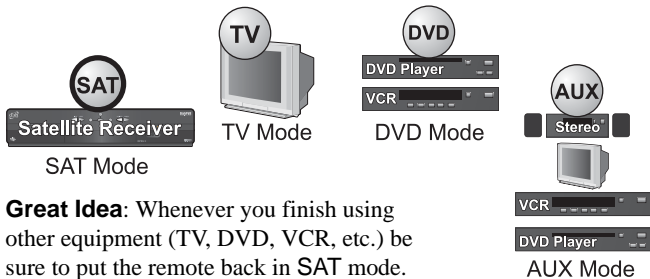
USING THE GUIDE

This guide makes it easy to set up and use your remote control. By now you've noticed that the cover contains information on quick set up and remote control operation.

The rest of the guide contains in-depth information to help you get the most from your remote control, including controlling other equipment like TVs, VCRs, and DVD players.

REMOTE CONTROL MODES

Use the remote control's mode buttons to set the remote to the correct mode for the equipment. Be sure to program the remote control to operate the other equipment as described on page 2.



Great Idea: Whenever you finish using other equipment (TV, DVD, VCR, etc.) be sure to put the remote back in **SAT** mode.

To change the mode, press the button for the equipment you want to control. The mode button lights for three seconds to show you've set the remote to that mode.

If you program the remote control to operate other equipment, refer to the following for remote-control operation instructions:

- TVs, page C-8.
- DVD players and VCRs, page C-9.
- Other DISH Network satellite receivers, page C-7.
- Stereo equipment (for example, an audio amplifier programmed in AUX mode) uses only these buttons: SELECT (to change inputs), MUTE, VOLUME, and POWER.

HOW THE REMOTE COMMUNICATES

Depending on how the remote is set up, the remote control may use UHF radio signals, IR signals, or both to control the receiver. However, only IR signals are used to control other equipment.

- IR signals travel short distances (up to 40 feet), and cannot go through walls or other solid objects. Point the remote control directly at the equipment you want to control, with no objects to block the signal path.
- UHF signals travel long distances and can go through walls and other solid objects. Because these signals travel so far, the receiver may respond to signals from other nearby remote controls. To handle this problem, you may want to change the remote and receiver addresses (see page 13).
- If you're set up to use UHF, make sure that the UHF remote antenna is attached to the receiver's back panel REMOTE ANTENNA input so it can receive the UHF remote signals.

PROGRAMMING FOR OTHER EQUIPMENT

Page C-4 shows you how to program the remote control to operate a TV. The following section uses a different method to program the remote control to operate a TV or other equipment (such as a DVD player or VCR, tuner, amplifier, audio receiver or a second TV). You can program the remote control by either following the instructions in *Programming Using Equipment Code Tables* on page 3, or the *Scanning for Equipment Codes* procedure described on page 5.

COMBINATION EQUIPMENT (FOR EXAMPLE, TV/DVD)

When programming the remote control to operate combination equipment, such as a TV/DVD or a TV/VCR, program the remote control in one mode, and then repeat the procedure in the other mode. For example, to program the remote control to operate a TV/DVD

player using code 765, follow the instructions to program the remote to operate the TV using code 765, and then repeat the instructions for the DVD using the same code. Put the remote in TV mode to use TV functions, or DVD mode to use the DVD player (or VCR) functions.

LIMITED MODE

You can program your remote control in Limited Mode to keep from accidentally changing the channel on your TV or VCR. When you use the remote control to operate your TV in Limited Mode, you will only be able to use the **POWER**, **MUTE**, and **VOLUME** buttons to operate your TV. Also, when you use the remote control to operate your VCR in Limited Mode, you will only be able to use the **POWER** and **VCR** function buttons. The section *Programming Using the Equipment Code Tables* has a step that tells the remote control to go into Limited Mode. Also, a quick way to put the remote in Limited Mode is described on page C-6.

Note: Limited Mode cannot be used with audio amplifiers.

PROGRAMMING USING EQUIPMENT CODE TABLES

You can set up the remote control to operate other equipment using the code-table listings that start on page 17 and the modes as shown on page 1. To control a receiver in AUX mode, see page 7.

| Instructions | Additional Information |
|--|--|
| 1 Turn the equipment on. | Use the equipment's front panel buttons or its own remote control. |
| 2 Find the brand name of the equipment listed in the code tables that start on page 17. | If the brand isn't listed in the tables, see <i>Scanning for Equipment Codes</i> on page 5. |
| 3 Press and hold the mode button for the equipment until all the other mode buttons light up, and then release the button. The mode button flashes. | For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, the TV mode button will be flashing. |

Instructions

Additional Information

-
- | | |
|---|--|
| <p>4 For <i>AUX mode only</i>. Press 0 for a second TV, or 1 for a second DVD/VCR, or 2 for a tuner, amplifier, or audio receiver.</p> <p>5 Enter one of the three-digit equipment codes from the table using buttons on the number pad.</p> <p>6 If you want to program Limited Mode, press 1. If not, skip to step 7.</p> <p>7 Press POUND (#).</p> <p>8 Press POWER to turn off the equipment. If the equipment does not turn off, go to step 10.</p> <p>9 Turn the equipment back on and try some other buttons to make sure they work. If the code works for other buttons, stop here.</p> <p>10 If the code doesn't work, repeat steps 3 through 9 with another equipment code listed in the tables.</p> <p>11 If you can't find a code that works, try the instructions that follow for <i>Scanning for Equipment Codes</i>.</p> | <p>This step is for programming the kind of equipment that should be programmed in AUX mode. If you're not programming in AUX mode, skip to step 5.</p> <p>The three-digit equipment code should be for the brand name of your equipment that you found in step 2.</p> <p>See <i>Limited Mode</i> on page 3 for more information.</p> <p>If you entered the code correctly, the mode button flashes three times.</p> <p>If the code you entered works, the equipment should turn off.</p> <p>For example, sometimes POWER works when other buttons don't. Note that more than one code may work to turn equipment on or off.</p> <p>Try every code listed for your brand until one works for your equipment.</p> |
|---|--|

SCANNING FOR EQUIPMENT CODES

| Instructions | Additional Information |
|---|---|
| 1 Turn the equipment on. | Use the equipment's front panel buttons or its own remote control. |
| 2 Press and hold the mode button until all the other mode buttons light up, and then release the button. The mode button flashes. | For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, TV will flash. |
| 3 <i>For AUX mode only.</i> Press 0 for a second TV, 1 for a second DVD/VCR, or 2 for a tuner, amplifier, or audio receiver. Then press the STAR (*) button. | This step is for programming the kind of equipment that should be programmed in AUX mode. If you're not programming in AUX mode, skip to step 4. |
| 4 Press POWER. | This puts your remote control in its code scanning mode. |
| 5 Press either the UP or DOWN ARROW repeatedly until the equipment turns off. | As you press the UP or DOWN ARROW, the remote tries each code in the memory to see if it can turn off your equipment. When the equipment turns off, you have found a code that might work. Note: The mode button for the equipment will flash rapidly eight times when you've scanned through all the codes for that equipment. |
| 6 Press POUND (#). | The mode button flashes three times if you have entered the code correctly. This stores the code that you found. |

Instructions

Additional Information

- | | |
|--|--|
| 7 Turn the equipment back on and try some other buttons to make sure they work. | Press POWER to turn the equipment back on. Try some other buttons to make sure they work. Sometimes POWER works when other buttons don't, and more than one code may work to turn equipment on or off. |
| 8 If necessary, repeat this procedure until you've tried all the codes. | You may need to repeat the scan to find the best code for your equipment. |

SWITCHING BETWEEN TV AND AMPLIFIER VOLUME CONTROL

When the remote control is set up to operate your TV, the **MUTE** and **VOLUME** buttons will adjust your TV volume. To use the remote to adjust the volume of a remote-controllable audio receiver or amplifier instead of adjusting the TV's volume setting, use the steps in the left column of the table. To switch back to controlling the TV's volume, use the steps in the right column of the table.

Control Amplifier Volume

Control TV Volume

- | | |
|--|--|
| 1 Press and hold the AUX mode button until all mode buttons are lit, then release it. The AUX mode button will blink. | 1 Press and hold the TV mode button until all mode buttons are lit, then release it. The TV mode button will blink. |
| 2 Press the POUND (#) button. | 2 Press the POUND (#) button. |
| 3 Press the plus (+) side of the VOLUME button. | 3 Press the plus (+) side of the VOLUME button. |
| 4 Press the 0 number button. | 4 Press the 0 number button. |
| 5 Press the POUND (#) button. The AUX mode button flashes three times. | 5 Press the POUND (#) button. The TV mode button flashes three times. |

Control Amplifier Volume

MAKE SURE THE REMOTE CONTROLS THE AMPLIFIER'S VOLUME IN OTHER MODES:

- 6 Press the **SAT** mode button.
- 7 Press the plus (+) and minus (-) sides of the **VOLUME** button.
- 8 Your tuner/amplifier's volume changes and the **AUX** mode button lights instead of the **TV** mode button.

Control TV Volume

MAKE SURE THE REMOTE CONTROLS THE TV'S VOLUME IN OTHER MODES:

- 6 Press the **SAT** mode button.
- 7 Press the plus (+) and minus (-) sides of the **VOLUME** button.
- 8 Your TV's volume changes and the **TV** mode button lights instead of the **AUX** mode button.

PROGRAMMING THE REMOTE TO CONTROL A SECOND RECEIVER IN AUX MODE

If you have another DISH Network receiver installed, you can use this remote control in **AUX** mode to operate it along with your new receiver. When you program the remote control to operate the other receiver, the remote will send IR signals to that receiver, so the line of sight to the second receiver must be unobstructed. You can program the remote control to operate any other DISH Network receiver, *except* for:

- TV2 on DISH 322, DISH Player-DVR models 522, 625, and 942, ViP222, ViP222k, ViP622 DVR, ViP722 DVR or ViP722k DVR
- DishPlayer 7100/7200

- 1 Turn on the other receiver and open the System Information screen. (For help opening the System Information screen, refer to the user guide for the other receiver.)

Write down the TV2 address shown: _____

- 2 Press and hold the **AUX** button until all the mode buttons light up, and then release the button. The **AUX** button flashes.
- 3 Use the **NUMBER PAD** on the remote control to enter a 3, followed by the address you wrote down in step 1.
- 4 Press **POUND** (#). The **AUX** button blinks three times.
- 5 Press **RECORD** to verify that the address in the remote control now matches the address for the receiver.

READING OUT CODES

These instructions explain how to check the remote control code you put in the remote control when you set it up. Be sure to write them in the spaces provided on the inside back cover.

| Instructions | Additional Information |
|---|---|
| <p>1 Press and hold the mode button for the equipment you want the remote control to operate. When all the mode buttons light up, release the button—the selected mode button should now be flashing.</p> | <p>For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, the TV mode light will flash.</p> |
| <p>2 Press the POUND (#) button <i>twice</i>. The mode button flashes the number for each digit of the equipment code, with a pause between the groups of flashes. A quick flash is for zero.</p> | <p>For example, if the code is 570, the mode button flashes five times, pauses, flashes seven times, pauses, and flashes once quickly.</p> |
| <p>For AUX mode, the first group of flashes tells you what the AUX mode controls, then the following flashes tell you each digit of the equipment code. A quick flash (zero) before the three-digit code is for a TV; one regular flash is for a DVD player or VCR; and two flashes is for a tuner, amplifier, or audio receiver.</p> | <p>For example, if the TV code is 570, the AUX mode button flashes once quickly (indicating the AUX equipment is a TV), pauses, flashes five times for the first digit of the code, then pauses, flashes seven times for the second digit of the code, pauses again, and flashes once quickly for the final digit (zero) in the code.</p> |
| <p>For another satellite receiver programmed in AUX mode, the group of flashes tells you the second receiver's address number.</p> | <p>For example, if the AUX mode button is set to control a satellite receiver with address 5, the AUX mode button flashes five times.</p> |

LEARNING FROM ANOTHER DEVICE'S REMOTE

After you have programmed your DISH Network remote to control your equipment (in TV, DVD or AUX modes), you may find not all of the commands used by the equipment's original remote controls function as you expect. The learning function of your DISH Network remote control can support these commands.

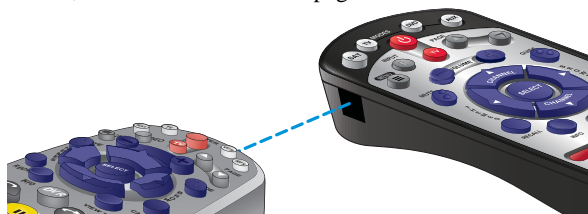
The remote control can learn commands in two ways:

- 1 You can follow the instructions for using equipment codes to program a specific mode, and then learn commands that add new or overwrite existing functions of the remote control's buttons in this mode. For this type of learning, any button without a learned command keeps the previous command (if any) for that equipment code.
- 2 Each button on this remote learns a command from the equipment's original remote control. For this type of learning, any button without a learned command will have no function for that equipment.

To "teach" your DISH Network remote control specific commands for your equipment, complete the following:

- 1 Ensure the DISH Network remote control is programmed to the desired remote address (see *Changing the Remote and Receiver Address* on page 13).
- 2 Place both your DISH Network remote and the original equipment's remote control on a flat, stable surface.
- 3 On the DISH Network remote, press and hold the mode button for your equipment for about three seconds until all the mode buttons light up, and then release it. Your selected mode button will blink.
- 4 To start learning commands for this mode:
 - If you've found a code for that equipment, first program the code using the instructions for *Programming Using Equipment Code Tables* on page 3 or *Scanning for Equipment Codes* on page 5. Press and release RECALL, then hold the RECORD button for about three seconds until the mode button is lit again. The button remains lit while learning.
 - If you have not programmed a code for that equipment, press and hold the RECORD button for about three seconds until the mode button is lit. The button remains lit while learning.

- 5 Point the front of the original equipment's remote to face the small square (IR window) on the front, left-hand side of DISH's remote, as shown below and on page C-1.



- 6 On the DISH Network remote, press the button you want to teach.

- 7 On the original equipment's remote control, press and hold the button you want learned. If the DISH Network remote learns the command, the mode light blinks off and then back on.

If the mode light blinks three times or remains lit, the DISH Network remote did not learn the command.

You may need to press the button on the original remote several times for the DISH Network remote to learn the command.

- 8 After a button has learned a command successfully, repeat step 6 and step 7 until all commands you want have been learned.

- 9 To end the learning sequence:

- Press one of the mode buttons on the DISH Network remote. This saves all the commands for that mode, and exits learning to return to normal remote control operation.
- If the remote runs out of memory for learned commands, it saves the commands you have learned for equipment in this mode, exits learning and returns to normal remote control operation. The DISH Network remote cannot learn additional commands.



- If the remote control batteries are too low for learning, all the mode buttons blink quickly eight times. Learning ends **without saving learned commands**, and the remote returns to normal operation. Change the batteries.

• To cancel learning, do not press any buttons on either remote control for at least 30 seconds. The DISH Network remote control times out and returns to normal operation.

Note that **no learned commands are saved** if the DISH Network remote control times out before completion.

USING THE SYSTEM WIZARD

By pressing and holding the 0 (zero) key on the DISH Network remote control for TV1 (or for TV2, if you have set it to **IR only**, as on page 14), you enter the System Wizard, viewable on TV1 (see page C-1).

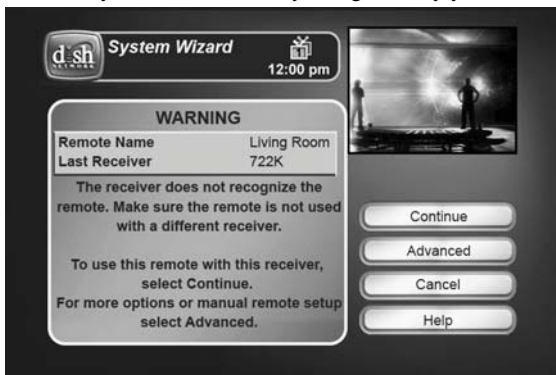


The System Wizard can help you diagnose certain problems you may be having with your DISH Network remote control, including:

- *Remote Is Not Recognized*
- *Adjust Remote Configuration*
- *Resolve Address Conflict.*

REMOTE IS NOT RECOGNIZED

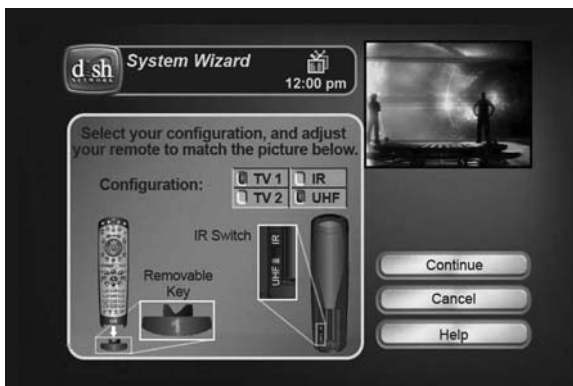
The remote may not be immediately recognized by your receiver.



If you select Continue, the wizard tries to configure your receiver and remote control to work together.

ADJUST REMOTE CONFIGURATION

You may see a screen asking you to adjust the physical configuration of the remote control.



Configure the remote key (see page C-2) and the UHF/IR switch (see page 14) as shown on the screen, and then select Continue.

RESOLVE ADDRESS CONFLICT

You may also see a screen noting that your remote control is not set to the same address as your receiver.



Select Continue on this screen and the wizard will attempt to resolve the address conflict between the remote control and the receiver.

DISCRETE CODES FOR LEARNING REMOTES

Discrete On and Off IR-only remote-control commands are used by installers when programming macro commands into universal remotes. Using an On-only or Off-only command is more effective than a toggle On/Off command when trying to ensure the satellite receiver is reliably in one state or the other. To use discrete power commands, ensure you have set the UHF/IR switch in the remote to **IR only**, as on page 14) and complete the following:

- 1 Program the DISH Network remote to the desired remote address (see *Changing the Remote and Receiver Address* below).
- 2 Hold the SAT mode button until all mode buttons light, then release the button.
- 3 Press the POWER button (not TV POWER).
- 4 Press VOLUME UP for discrete power on, or VOLUME DOWN for discrete power off.
- 5 Press any other button when you are done to end this procedure.

AVOIDING REMOTE CONFLICTS

When your remote control sends UHF signals, you may experience interference from other nearby remote controls. The instructions in this section describe how to avoid such remote-control conflicts.

CHANGING THE REMOTE AND RECEIVER ADDRESS

One quick way to avoid remote-control conflicts is by changing the address on your remote control and receiver. If you notice that your receiver is changing channels or opening menus, but you're not using the remote control, a quick change of address should fix the problem.

- 1 Press SYSTEM INFO on the receiver's front panel. The **System Information** screen displays and shows the **Primary Remote Address** (for TV1, typically using IR) and the **Secondary Remote Address** (for TV2, typically using UHF).

Write down the TV2 remote address shown: _____

- 2 Press and hold SAT on your remote control for about three seconds, until all of the mode buttons light up, and then let go of SAT.
- 3 Add one to the address that you wrote down in step 1, and use the NUMBER PAD to enter that number (between 1 and 28).

- 4 Press **POUND (#)**. If you entered the address correctly, the **SAT** button will flash three times. Write down the number you entered in the space provided on the inside back cover of this guide.
- 5 Press **RECORD**. Make sure the **Secondary Remote Address** you see on the **System Information** screen is the same as the one you entered in step 3. If it isn't, the remote control cannot operate the receiver. Press **RECORD** a second time.
- 6 Select **Done** to close the **System Information** screen.

Note: This remote control may have features not used by your receiver.

CHANGING BETWEEN UHF AND IR USING THE UHF/IR SWITCH



All receiver models (*except* the ViP222, ViP222k, ViP622 DVR, ViP722 DVR or ViP722k DVR receivers) must use switch position **IR** or the remote will not control the receiver.

Your remote has a switch to change the type of signaling that your remote control uses. It comes preset to the **UHF** position, but if you have a clear line of sight to your receiver, you can change the setting to the **IR** position to eliminate the possibility of any other **UHF** remote control interfering with yours.

- 1 Remove the battery cover from the remote control.
- 2 Use a small screw driver or a paper clip to carefully change the setting.
- 3 Put the battery cover back on the remote control.
- 4 Use the **SYSTEM INFO** button on the front panel to open the **System Information** screen.
- 5 Press **RECORD** on the remote control.
- 6 Make sure the remote address on the receiver's **System Information** screen shows the correct information:

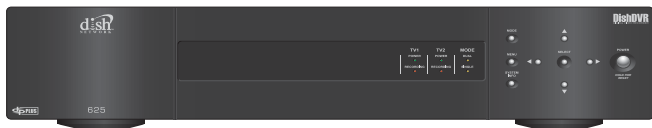
- Switch Position **UHF—IR/UHF**
- Switch Position **IR—IR only**



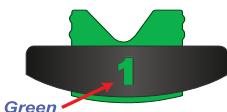
SETTING UP A TV1 UHF PRO REMOTE FOR THE DISH PLAYER-DVR 522 AND 625 ONLY

Use these special instructions only if you are going to use the green 1 UHF Pro key to control the TV1 side of a DISH Player-DVR 522 or DISH Player-DVR 625.

If you have a DISH Player-DVR 522 or 625:



and want to use UHF Pro with TV1, use this key:



When you are finished setting up the remote control, you'll be able to operate the TV1 side of your DISH Player-DVR 522 or 625 from long distances.

- 1** Make sure the key is installed as described on pages C-1 and C-2.
- 2** Make sure the UHF Antenna is attached to the REMOTE ANTENNA input on the back of the receiver.
- 3** Using the receiver's front panel buttons, press **MENU**. Select the following on-screen items in this sequence:
 - a. System Setup.**
 - b. Installation.**
 - c. TV1 UHF Pro Setup.**
- 4** Select **Enable** from the **TV1 UHF Pro Setup** screen.
- 5** Select **System Info** to open the **System Information** screen.



- 6 Use the **ARROW** buttons to move the highlight to the TV1 remote address (the **1 Rem Addr** box as shown below). This is important—if you do not move the highlight, your remote control will change the receiver's TV2 remote address (the **2 Rem Addr** box) and cause your Remote Control 1 to control the TV2 side of your receiver.



Note: Highlight the **1 Rem Addr** (the lighter area in the graphic above).

- 7 Press the **RECORD** button on the green TV1 remote control you are setting up. If you get a warning that tells you to pick another address, continue on to the next step. If no warning appears, go to step 12 of this procedure.
- 8 On the remote control, press and hold the **SAT** mode button for about three seconds, until all the mode buttons light up, and then release the **SAT** button. The **SAT** mode button will blink.
- 9 Use the number buttons to enter any number from 1 to 28, *except* for the address shown for **2** on your screen.
- Write down the number you entered: _____
- 10 Press the **POUND (#)** button. If you entered the address correctly, the **SAT** mode button will flash three times. Press **RECORD** on the remote.
- 11 Make sure the **System Information** screen shows **1 UHF** and that this address matches the number that you entered in step 9.
- 12 Select **Done** to close the **System Information** screen. If nothing happens, press **RECORD**, and then select **Done**.

EQUIPMENT CODES

These tables contain the manufacturer codes for programming the remote control to operate your TV, a DVD player or VCR, or an audio receiver or amplifier. Every attempt has been made to include all codes. If your equipment brand is not listed or if the codes do not work, the remote may not control your equipment. In some cases codes may operate some but not all buttons shown in this guide.

TV CODES

Programming in AUX mode: Use these codes to program in TV mode. If programming a second TV in AUX mode on your remote control, press 0 before entering the TV code.

Table continues on next page

| | |
|--|--|
| Abex 658 730 | Capehart 519 627 |
| Acer 511 | Carnivale 627 |
| Action 662 | Carver 761 |
| Admiral 521 572 675 739 834 835 | CCE 528 816 |
| Advent 653 842 912 | Celebrity 652 795 797 798 807 |
| Adventura 840 | Celera 744 745 |
| Aiko 727 778 | Changhong 744 745 |
| Akai 570 573 592 612 627 652 754 795 807 808 906 907 908 | Cineral 697 |
| Albatron 692 804 | Circuit City 627 |
| Alleron 534 | Citizen 506 516 523 524 525 526 590 627 654 657 658 664 680 727 778 |
| A-Mark 620 804 | Clairtone 698 |
| Ambassador 686 | Clarion 682 |
| America Action 682 | Coby 626 633 |
| Amtron 657 | Colortyme 573 627 654 |
| Anam 682 | Colt 660 |
| Anam National 509 541 620 651 657 698 | Commercial Solutions 645 650 |
| AOC 505 506 519 520 573 582 620 627 653 654 | Concerto 523 652 654 |
| Apex 552 595 743 744 745 757 771 802 815 | Contec 682 |
| Archer 620 804 | Contec/Cony 541 655 657 658 662 |
| Astar 594 | Craig 536 541 657 662 682 694 |
| Audiovox 528 565 620 623 624 657 662 682 778 832 | Crosley 761 |
| Aventura 733 | Crown 526 536 657 |
| Axon 636 | CTX 804 |
| Bang & Olufsen 514 665 | Curtis Mathes 503 506 516 528 572 573 590 627 641 645 650 654 658 680 683 739 761 830 832 |
| Baycraft 536 | CXC 541 657 662 682 |
| Belcor 627 773 | Cytron 903 904 |
| Bell & Howell 590 675 683 | Daewoo 505 524 528 530 531 573 627 630 653 654 658 684 719 727 778 816 832 |
| Benq 511 535 | Daytron 627 654 658 |
| Bradford 657 682 | Dell 518 676 772 773 774 |
| Brilliant 558 | Denon 786 |
| Brockwood 627 | DiamondVision 546 643 659 |
| Broksonic 682 748 750 752 754 834 899 908 | Dimensia 503 645 830 |
| ByD:sign 792 | DISH Network 742 763 |
| Candle 506 523 525 536 627 654 840 | Dixi 566 620 761 897 |
| Candle/Citizen 573 | Dumont 501 627 711 813 |
| | Durabrand 533 627 682 733 834 843 |

TV CODES (CONTINUED)

- Dwin** 572 739
Electroband 652 795 797 798 807
Electrograph 507
Electrohome 573 627 651 652 654
709 728 795 807
Element 591 669
Emerson 528 534 536 541 573 590
618 627 636 642 646 654 655 657
658 662 664 682 683 733 777 816
832 834 846 899
Emprex 597
Envision 506 573 627 654
Epson 708
ESA 733
Fisher 542 590 595 683 802
Fortress 573
Fujitsu 534 602 603 694
Funai 534 541 587 657 662 682 694
733 756
Futurtech 541 657 662 682 694
Gateway 507 511 710
GE 503 508 509 528 543 544 627 645
650 651 654 661 690 728 742 749
779 830 832 857 859
General Electric 627
Gibraltar 501 627 711 813
Go Video 696
Goldstar 505 523 545 566 573 627
653 654 655 658 693 720 730 761
897
Gradiente 540
Granada 627
Grand 627
Grunpy 534 657 682
Hallmark 627 654
Harley Davidson 756
Harman/Kardon 561 627 761
Harvard 657 682
Havermy 572 739
Helios 901
Hello Kitty 528 832
Hewlett Packard 712 911
Hinari 534
Hisense 759
Hitachi 523 549 554 555 585 627 638
654 655 658 756 786 788 789 790
791
HP 599 712 721 911
Hyundai 695
iLo 559 596 625
IMA 657
Infinity 566 656 761 897
InFocus 616
Initial 625
Insignia 538 539 751
Inteq 501 711 813
Janeil 840
JBL 566 656 761 897
JCB 652 795 797 798 807
JC Penney 503 505 506 508 516 525
543 595 627 631 645 653 654 658
680 690 728 730 802 830 857
Jensen 502 537 556 573 627 653 654
842 912
JVC 508 557 559 642 649 655 676
726 735 736 737 812 817
Kawasho 561 573 627 652 654 795
807
Kaypani 519
KEC 682
Kenwood 506 573 627 654 716
KLH 595 744 745 802
Kloss 561 627
Kloss Novabeam 657 723 724 840
Konka 510
KTV 541 573 627 657 658 662 682
LG 553 627 653 654 693 718 766 773
804
Lloyd's 627 756
Lloytron 658
Loewe 566 656 761 897
Logik 675
Luce 699
Luxman 523 627 654
LXI 503 566 590 595 627 631 635 645
650 654 656 683 744 761 771 802
830 897
M. Wards 500 505 506 534 543 567
568 795 807
Magnasonic 573 664
Magnavox 506 520 525 536 550 560
566 567 568 573 625 627 646 654
656 723 724 756 761 762 777 818
827 828 829 838 839 887 888 891
892 893 894 897
Magnin 661
Majestic 675
Marantz 506 566 573 604 627 654
656 761 897
Matsushita 689
Maxent 507 581
Media Center 721
Megapower 804
Megatron 627 654
MEI 698
Memorex 529 590 627 648 653 654
675 683 834
MGA 504 505 506 542 571 573 627
653 654 661 728
Midland 501 508 645 650 658 711
730 813
Mintek 625
Minutz 857

Table continues on next page

TV CODES (CONTINUED)

Mitsubishi 504 505 542 570 571 572
573 613 614 627 653 654 725 728
739 787 799

Mitsui 769

Monivision/Monovision 692 804

Montgomery Ward 675

Motorola 521 572 651 739 835

MTC 505 506 516 523 573 627 653
654 680

Multitech 657 682

Multivision 810

NAD 595 627 631 635 637 654 744
771 802

National 509

NEC 505 506 507 517 523 573 627
651 652 653 654 731 732

Net-TV 517 586 609 801

Nikkai 613

Nikko 627 654 727 778

Norcent 579

Normandic 717

Noshi 681

Novabeam 561 627

NTC 727 778

Nyon 627

Olevia 564 578 580 910

Onwa 541 657 662 682

Optimus 590 637 689

Optonica 521 572 607 739 835

Orion 694 726 834 899

Osaki 687

Panasonic 508 509 512 566 577 619
634 644 647 651 656 662 685 689
700 729 734 761 765 780 784 811
819 820 821 822 823 860 861 862
867 868 869 870 871 872 873 874
875 876 877 878 879 880 881 882
883 884 885 886 889 890 895 896
897 900

Panavision 734 811

Penney 595 627 645 650 661 744
771 802

Philco 505 506 525 532 536 568 573
627 651 653 654 655 656 658 723
724 761

Philips 525 527 548 550 563 566 621
625 627 651 655 656 658 690 723
724 747 761 770 782 824 825 826
827 828 839 887 888 891 892 893
894 897

Philips Magnavox 527 550 761 782
826 827 828

Pilot 627 658

Pioneer 547 576 627 637 654

PlasmSync 610

Polaroid 591 627 669 670 671 678
744 745 751 766 773 814

Portland 505 573 627 653 654 658
727 778

Price Club 680

Prima 653 673 674 842 912

Princeton 562 804

Prism 508

Proscan 503 645 650 742 749 830

Proton 513 519 536 585 627 654 655
658

Protron 589

Proview 902

Pulsar 501 627 711 813

Quasar 508 509 651 689 700 784

860 861 862 867 868 869 870 871

872 873 874 875 876 877 878 879

880 881 882 883 884 885 886 889

890 895 896

Radio Shack 503 541 590 627 645

650 662 682 683 756 830

Radio Shack/Realistic 590 607 650

652 654 655 657 658 683 730 830

RCA 503 505 522 627 630 636 641

645 650 651 653 654 661 742 749

776 779 805 830 831 863 864 902

Realistic 503 590 627 645 682 683
830

Rhapsody 701

Runco 501 627 711 813

Sampo 506 507 519 627 654 658 730
746 753 763

Samsung 505 506 516 523 526 566

573 601 627 653 654 655 658 680

707 717 730 738 755 761 794 833
858 897

Samsux 702

Samwon 620

Sansei 697

Sansui 726 754 756 834 899 908

Sanyo 590 611 627 661 683

SBR 566 761 897

Sceptre 677

Schneider 566 761 897

Scimitsu 773

Scotch 627 654

Scott 534 541 627 654 655 657 658
662 682

Sears 503 523 534 541 542 558 590

595 627 631 635 645 650 654 658

683 733 744 756 761 771 802 830

841 846

Seimitsu 627

Semivox 682

Semp 595 771

Sharp 521 572 585 605 607 627 628
629 654 655 658 739 740 803 835

836 898

Sharper Image 703

Sheng Chia 572 739

Shogun 627

Signature 675

Table continues on next page

TV CODES (CONTINUED)

- Silver** 573
Simpson 525
Solavox 613
Sony 500 640 652 756 758 781 783
795 796 797 798 806 807 837 844
845
Soundesign 525 534 536 541 627 654
657 662 682
Spectricon 520 620 627
Squareview 694 733 841 846
SSS 505 541 573 627 657 662 682
Starlite 657 682
Studio Experience 692
Supra 523 627
Supre-Macy 840
Supreme 652 795 797 798 807
Susumu 687
SVA 515 901 905
Sylvania 506 525 536 566 568 569
573 618 627 646 654 656 672 679
723 724 733 756 761 764 777 897
Symphonic 632 657 662 679 682 694
733 756 841 846
Syntax 564
Syntax-Brilliant 558 564
Tandy 521 572 739 835
Tatung 509 588 651
Technics 508 689
Technol ACE 534
Techview 590 683
Techwood 508 523 573 627 654
Teco 704
Teknika 504 505 512 516 523 524 525
534 536 541 573 644 653 654 655
657 658 662 675 680 682 685 727
761 778
Telecaption 688
Telefunken 794
Tera 513
Thomas 627 756
Thompson 709
Thomson 705
TMK 523 573 627 654
TNCi 501 711 813
Toshiba 516 526 590 595 617 622 631
635 666 680 683 688 744 750 754
768 771 785 793 800 802 847 848
849 850 851 852 854 855 865 866
908 909
Tosonic 698
Totevision 658
Toyomenko 627
Trical 706
Trutech 584
TVS 834
Universal 543 690 857
Universum 687
V Inc. 562 575
Vector Research 506 627
Victor 557
Video Concepts 570
Vidikron 761
Vidtech 505 573 627 653 654
Viewsonic 507 551 562 575 583 600
606 760 796
Viking 840
Viore 907
Vizio 511 535 562 575 593 598 773
Wards 503 534 536 573 595 607 627
645 653 654 656 675 690 715 723
724 761 802 830 857
Waycon 595 744 771 802
Westinghouse 528 562 574 575 795
797 798 807 809 832 856
White Westinghouse 528 816 832
834
Yamaha 505 506 573 627 653 654
York 627
Zenith 501 553 555 615 627 639 675
693 711 748 752 756 766 773 775
778 813 834 853 899
Zonda 620 804

VCR CODES

Programming in AUX mode: Use these codes to program the VCR in the DVD mode on your remote control. If programming the VCR in AUX mode on your remote control, press 1 before entering the VCR code.

Table continues on next page

| | |
|---|---|
| ABS 792 | Goldstar 592 594 676 678 |
| Adventura 588 594 | Goodmans 585 |
| Aiwa 501 588 594 676 678 | Gradiente 588 594 |
| Akai 513 518 568 682 772 | Granada 549 |
| Alienware 792 | Grundig 556 801 |
| American High 554 | Harley Davidson 588 594 |
| Americast 917 | Harman/Kardon 568 592 |
| Apex 517 | Headquarter 581 |
| ASA 556 801 | Hewlett Packard/HP 792 |
| Asha 675 | Hi-Q 789 |
| Audio Dynamics 592 | Hitachi 536 538 539 540 588 595 597 682 |
| Audiovox 676 678 | Howard Computers 792 |
| Bang & Olufsen 537 794 | Hush 792 |
| Beaumarck 675 | iBuyPower 792 |
| Bell & Howell 581 | Insignia 507 |
| Broksonic 511 515 516 525 559 | Instant Replay 554 |
| Calix 676 678 | ITT 675 |
| Candle 534 592 594 675 676 678 | JC Penney 554 581 591 592 595 676 678 776 |
| Candle/Citizen 675 676 | JCL 554 |
| Canon 554 | Jensen 595 682 776 |
| Canon 554 | JVC 503 504 523 526 527 545 561 562 581 592 594 682 795 |
| CineVision 529 | Kenwood 562 581 592 594 682 |
| Colortyme 592 | Kodak 554 676 678 |
| Colt 535 | LG 507 676 678 |
| Craig 591 676 678 789 | Linksys 792 |
| Curtis Mathes 554 585 592 594 605 607 649 | Lloyd's 588 594 |
| Cybernex 675 | Luxor 567 |
| Cyberpower 792 | LXI 676 678 |
| Daewoo 534 536 559 588 796 | M. Wards 512 554 585 591 |
| DBX 592 | Magnasonic 536 |
| Dell 792 | Magnavox 533 554 556 594 797 798 801 803 804 |
| DiamondVision 532 | Magnin 675 676 678 |
| Dimensia 585 607 649 | Marantz 554 556 581 585 592 594 801 |
| Dumont 549 | Marta 676 678 |
| Durabrand 533 | Matsushita 554 |
| Dynatech 588 594 | Media Center PC/Microsoft 792 |
| Electrohome 512 676 678 | MEI 554 |
| Electroponic 676 678 | Memorex 515 516 533 549 550 554 581 585 588 594 676 678 786 789 |
| Emerson 508 512 518 534 536 554 559 568 588 594 676 678 798 804 | MGA 512 567 568 675 |
| ESA 502 | MGN Technology 675 |
| Finlandia 549 | Midland 591 |
| Finlux 549 556 801 | Minolta 595 776 |
| Fisher 549 581 789 | Mitsubishi 512 562 567 568 595 607 776 |
| Fuji 554 772 | |
| Funai 588 594 804 | |
| Garrard 588 594 | |
| GE 541 554 585 591 605 607 649 675 | |
| Go Video 522 524 | |

VCR CODES (CONTINUED)

Motorola 554
MTC 544 594
Multitech 588 591 594
NEC 562 581 592 594 682
Nikko 676 678
Niveus Media 792
Noblex 675
Northgate 792
Olympus 554
Optimus 676 678 786
Optonica 585
Orion 550
Panasonic 554 614 628 770 777 780
781 782 783 784 786 787 788 799
809 810
Penney 675 676 678
Pentax 592 776
Pentax Research 592 594
Philco 554
Philips 554 556 585 801 803 804
Philips Magnavox 801
Pilot 676 678
Pioneer 562 776
Polaroid 517 530
Presidian 804
Proscan 585 605 607 649
Pulsar 533
Quarter 581
Quartz 581
Quasar 554 770 771 772 786 806
Radio Shack 512 594 676 678
Radio Shack/Realistic 554 581 588
676 678 789
Radix 676 678
Randex 676 678
RCA 518 528 541 554 585 591 595
605 607 649 675 773 774 775 776
Realistic 534 549 554 581 585 588
594 676 678 789
Ricavision 792
Ricoh 791
Runco 533
Salora 567
Samsung 506 524 534 591 755 807
Sanky 533
Sansui 515 516 544 550 562 594 682
Sanyo 549 581 675 789
SBR 556 801
Scott 534 559
Sears 549 554 581 594 595 676 678
776 789
Sharp 512 585 595 607 918
Shintom 595 772
Shogun 675
Singer 554 791
Sony 500 594 768 772 778 790 791
792 919
Stack 792
Stack 9 792
STS 554
Superscan 531 798 804
Sylvania 519 554 556 567 588 594
756 798 801 804
Symphonic 588 594 804
Systemax 792
Tagar Systems 792
Tandy 581
Tashiko 676 678
Tatung 682
Teac 588 594 682
Technics 554
Teknika 554 588 594 676 678
TMK 675
Toshiba 534 538 542 543 567 769
776 783 792
Totevision 591 676 678
Touch 792
UltimateTV 649
Unitech 675
Vector Research 534 592
Victor 561 562
Video Concepts 534 568 592
Videomagic 676 678
Videosonic 591
Viewsonic 792
Wards 534 554 588 594 595 676 678
776 789
White Westinghouse 588
XR-1000 554 588 594
Yamaha 581 592 594 682
Zenith 500 507 533 594 772 779 791
ZT Group 792

DVD PLAYER CODES

Programming in AUX mode: Use these codes to program your remote control in DVD mode. If programming in AUX mode on your remote control, press 1 before entering the listed DVD Player code.

Table continues on next page

| | |
|--|---|
| Accurian 602 | ESA 570 587 |
| Advent 572 | Fahrenheit 713 |
| Aiwa 694 | Fisher 659 |
| Akai 656 752 815 | Flex Vision 717 |
| Alco 765 | Fun TV 718 |
| Allegro 683 | Funai 570 617 658 829 |
| Alpine 653 | Gateway 610 |
| Amphion MediaWorks 586 | GE 702 703 720 749 816 835 |
| AMW 586 | Go Video 610 692 693 822 826 |
| Anaba 687 | GPX 704 826 882 |
| Anam 688 | Gradiente 699 716 |
| Apex 654 655 744 757 835 839 851 | Greenhill 835 |
| Apple 642 | Grundig 565 577 |
| Archos 885 | Harman/Kardon 715 |
| Arrgo 833 | Hitachi 606 660 668 705 706 707 823 860 |
| Aspire 558 | Hiteker 654 655 744 |
| Astar 612 | Honda 721 |
| Audiologic 698 | Honyas 726 |
| Audiovox 580 630 765 826 837 | iLive 856 |
| Axion 867 | iLo 837 |
| B&K 701 | Ingelen 876 |
| Bang & Olufsen 569 580 | Initial 835 |
| Bel Canto Design 719 | Insignia 570 673 824 871 |
| Blaupunkt 835 | Integra 551 779 |
| Blue Parade 719 | Irradio 608 |
| BOSE 758 811 | Jamo 728 |
| BOSS 576 | Jaton 738 |
| Broksonic 656 752 815 | JBL 715 |
| California Audio Labs 699 716 | Jeken 878 |
| Cambridge SoundWorks 870 | Jensen 557 |
| CAVS 708 | JMB 656 815 |
| CineVision 626 | JVC 553 603 604 620 621 622 623 625 689 850 861 862 863 872 898 |
| Clarion 696 | Jwin 742 |
| Classic 695 826 882 | Karcher 864 |
| Coby 557 634 | Kawasaki 765 |
| Criterion 712 | Kendo 848 |
| Curtis 685 | Kenwood 579 699 700 716 737 |
| Curtis Mathes 684 | KLH 765 835 |
| CyberHome 833 | Konka 753 |
| Cytron 904 | Koss 564 723 745 873 |
| Daewoo 626 657 859 | Lasonic 593 |
| Denon 578 697 699 700 716 737 892 | Lenoxx 560 826 |
| Desay 598 | Lexia 857 |
| DiamondVision 637 641 | Lexicon 743 |
| Disney 617 | LG 615 673 824 899 |
| Dual 871 | Lifetec 634 |
| Durabrand 826 | Limit 857 |
| DVD2000 699 716 | Liquid Video 564 |
| Eclipse 574 | LiteOn 602 610 |
| Eltax 685 | Loewe 746 |
| Emerson 658 | |
| Enterprise 824 | |

DVD CODES (CONTINUED)

- LogicLab** 857
Logix 852
Lumatron 673 824
Luxman 844
Luxor 848
Magnavox 565 570 577 601 617 650
658 661 672 674 679 854
Malata 747
Marantz 565 577
Memorex 709
Microsoft 703 720 749 816
Mintek 710
Mitsubishi 767
Momitsu 748
NAD 673 824
Nakamichi 596
Nesa 835
Next Base 680
Nexxtech 599
Niro 750
Nissoho Iwai 718
Norcent 634 711
Onkyo 551 672
Oppo 566
Optiview 687
Oritron 564 723
Panasonic 624 627 638 662 663 672
699 714 716 734 737 813 840 841
855
Philco 686
Philips 565 572 577 617 672 764 766
873 874
Pioneer 665 719 812 877 879 880
Polaroid 586 617 635 636 640 647
651 677 851
Polk Audio 565 577
Portland 751
Presidian 617
Prima 759
Princeton 760
Proceed 654 655 744
Proscan 703 720 749 816
Provision 761
Pye 674
Qwestar 723
RCA 616 666 690 703 719 720 749
765 816 835 842 901
Regent 560
Rio 683
Rotel 553 850 861
Rowa 555
Saba 762
Sampo 724
Samsung 571 606 643 644 652 667
668 691 699 716 740 741 805 820
821 844 845 849 866 869 875 881
895 896 900
Sansui 656 725 754 815
Sanyo 609 656 659 815
Sensory Science 610
Sharp 573 617 669 727 865 903
Sharper Image 763
Sherwood 870
Shinco 589
Shinsonic 731
Sigma Designs 760
SonicBlue 683
Sony 582 613 618 632 670 671 729
730 731 817 818 827 830 831 832
836 838 843 846 847 858 868 883
884 902
Sungale 597
Superscan 570
SVA 800
Sylvania 570 617 619 631 639 645
658 764 829
Symphonic 617 658
Teac 732 765
Technics 699 716 733
Techwood 664
Terapin 887
Theta Digital 719
TiVo 888
Toshiba 575 583 584 646 648 656 672
735 736 814 815 819 825 828 834
893 894
Tredex 889
Trutech 833
TView 687
Urban Concepts 672
US Logic 681
Venturer 765
Vizio 897
Vocopro 890
Westinghouse 629
Xbox 703 720 749 816
Xwave 891
Yamaha 565 577 699 716 737 739 853

TUNER/AMPLIFIER CODES

Programming in AUX mode: Press 2 before entering the code for your tuner/amplifier or other audio device on your remote control.

Table continues on next page

| | |
|--|---|
| Accuphase 690 | Classic 819 |
| Acoustic Research 703 853 | Coby 811 |
| Acurus 691 | Counterpoint 754 |
| ADC 652 | Craig 856 |
| Adcom 690 | Creative 723 |
| Admiral 747 | Criterion 734 |
| ADS 748 | Crown 857 |
| Aiwa 636 667 681 718 720 725 730 839 | Curtis 815 |
| Akai 740 | Curtis Mathes 772 |
| Alco 659 | Daewoo 727 |
| Alpine 749 | Dell 729 |
| Altec Lansing 738 | Delphi 755 |
| AMC 855 | Denon 669 670 680 759 760 762 809 |
| Amphion Media Works 660 | Digital Audio Control 688 |
| Amplifier Technologies 710 | Durabrand 698 |
| AMW 660 | Dynalab 858 |
| Anam 653 | EAD 756 |
| Angstrom 692 | Eclipse 665 |
| Anthem 750 | Elan 699 |
| Apex 812 | Emerson 820 |
| Aragon 691 | ESA 757 |
| Arcam 726 | Fisher 850 |
| Atlantic Technology 712 | Fosgate 700 |
| Audio Research 751 | Garrard 851 |
| Audio Source 693 | Gateway 743 |
| Audiotronic 685 | GE 638 |
| Audiovox 669 826 | Glory Horse 728 |
| B&K 752 | Go Video 742 |
| Bang & Olufsen 676 | Goldstar 814 |
| Bel Canto Design 690 | GPX 834 |
| Biamp 695 | Gradiente 682 |
| Blaupunkt 854 | Harman/Kardon 640 685 725 |
| BOSE 639 656 761 | Hitachi 850 |
| Boston Acoustics 713 | Honyas 770 |
| Brix 744 | iLive 835 |
| Brumester 647 | Initial 735 |
| California Audio Labs 686 | Inkel 714 |
| Cambridge SoundWorks 831 | Insignia 825 |
| Capetronic 652 | Integra 650 |
| Carver 685 725 | Jamo 837 |
| Cary Audio Design 689 | JBL 642 |
| Casio 717 | Jensen 775 |
| CCE 802 | JVC 637 663 786 827 848 |
| Chase Technologies 687 | Kenwood 658 662 668 774 795 828 829 830 840 |
| Cinema Sound 696 | KLH 659 |
| Clarinet 717 | Knoll Systems 701 |
| Clarion 753 | Koss 739 |
| Classe 697 | Lasonic 746 |

TUNER/AMPLIFIER CODES (CONTINUED)

- Left Coast 640
Lennox 736
Lexicon 724
LG 836
Linn 685 725
Liquid Video 739
Lloyds 717
Logitech 702
Luxman 704
LXI 716
Magnadyne 776
Magnavox 652 654 685 725
Marantz 640 645 685 725 764
Mark Levinson 705
McIntosh 706
MCS 719
Memorex 777
Midland 707
Mitsubishi 859
Modulaire 717
Motorola 737
NAD 648
Nakamichi 649
NEC 641
Nexxtech 711
Nikko 708
Niro 779
Norcent 731
Nova 780
Omnifi 745
Onkyo 671 785 788 790 791 838
Optimus 635 652 653 772 845
Oritron 739
Panasonic 643 677 678 783 797 799
808 810 817 818 821
Parasound 647
Penney 717
Philco 781
Philips 640 685 725
Philips Magnavox 860
Pioneer 635 652 664 666 767 772 806
813 844 845
Polaroid 679
Polk Audio 640 645 685 764
Proscan 704 853
Proton 654
Pyle 782
Quasar 799
Radio Shack 728
RCA 635 652 653 659 675 703 772
842 845 852 853
RCA & Dimensia 703 853
Realistic 717
Regent 736
Rio 661
Rotel 674
Saba 741
Samsung 807
Sansui 685 725
Sanyo 824 850
Schneider 787
Scientific Atlanta 721
Scott 715
Sharp 832
Sharper Image 728
Sherwood 833
Shinonic 789
Shure 641
Sonic Blue 661
Sony 683 730 765 766 769 771 773
778 784 793 794 803 846
Soundesign 638
Soundmatters 763
Soundstream 709
Stereophonics 635 845
STS 792
Sunfire 658 840
Symphonic 747
TAG McLaren 796
Teac 653 659
Technics 643 672 768 804 805 808
Techwood 798
Thomson 800
Thorens 685
Toshiba 822
Vector Research 801
Venturer 659
Victor 637 827
Wards 635 638 685 725
Yamaha 646 650 651 655 657 663 684
732 733 786 823 841 847 848 849
Yorx 717
Zenith 814

DIGITAL VIDEO RECORDER (DVR) CODES

Programming in AUX mode: Press 1 before entering the listed code to program your remote control in AUX mode.

| | |
|---------------------------------------|---|
| ABS 792 | Niveus Media 792 |
| Alienware 792 | Northgate 792 |
| Americast 917 | Pace 914 |
| Bang & Olufsen 794 | Panasonic 907 |
| BellSouth 917 | Philips 521 548 906 910 |
| CyberPower 792 | Pioneer 914 |
| Dell 792 | Proscan 916 |
| Director 913 | RCA 521 911 916 |
| Gateway 792 | ReplayTV 907 912 |
| General Instrument 913 | Samsung 521 |
| GOI 722 | Scientific Atlanta 914 |
| Hewlett Packard 792 | Sharp 573 |
| HNS 521 | Sonic Blue 907 |
| Howard Computers 792 | Sony 510 792 905 908 909 |
| HP 792 | Stack 9 792 |
| HTS 722 | Supercable 915 |
| Hughes Network Systems 521 910 | Systemax 792 |
| Humax 910 | Tagar Systems 792 |
| Hush 792 | TiVo 510 520 548 905 906 908 909 |
| iBUYPOWER 792 | 910 911 |
| Jerrold 913 | Toshiba 792 |
| JVC 722 | Touch 792 |
| Linksys 792 | UltimateTV 916 |
| Media Center PC 792 | Viewsonic 792 |
| Microsoft 792 | Voodoo 792 |
| Mind 792 | Zenith 917 |
| Motorola 913 | ZT Group 792 |

TV/VCR COMBO CODES

Programming for combination equipment: Program the remote control in TV mode using the TV code and then in DVD mode (or in AUX—press 1 before entering the VCR code) using the VCR code.

| | TV Code | VCR Code |
|---------------------------|---------|----------|
| Aiwa | 667 | 501 |
| Bang & Olufsen | 665 | 537 |
| Colt | 660 | 535 |
| GE | 661 | 675 |
| Magnin | 661 | 675 |
| MGA | 661 | 675 |
| Magnavox | 888 | 797 |
| | 887 | 797 |
| Panasonic | 765 | 799 |
| Penney | 661 | 675 |
| Philips | 887 | 801 |
| Quasar | 870 | 770 |
| | 868 | 770 |
| | 860 | 770 |
| | 860 | 771 |
| | 860 | 806 |
| RCA | 503 | 649 |
| | 661 | 675 |
| | 749 | 775 |
| | 830 | 649 |
| Samsung | 755 | 807 |
| Sanyo | 661 | 675 |
| Sylvania | 756 | 519 |

TV/DVD COMBO CODES

Programming for combination equipment: Program the remote control in TV mode using the TV code and then in DVD mode (or AUX—press 1 before entering the DVD code) using the DVD code.

| | TV Code | DVD Code |
|------------------|---------|----------|
| Apex | 757 | 757 |
| Audiovox | 624 | 630 |
| Axion | 636 | 867 |
| Broksonic | 750 | 752 |
| Cytron | 904 | 904 |
| Magnavox | 839 | 650 |
| | 838 | 679 |
| Panasonic | 811 | 734 |
| Polaroid | 671 | 647 |
| | 678 | 677 |
| | 745 | 635 |
| RCA | 830 | 816 |
| | 830 | 749 |
| | 830 | 703 |
| Sansui | 754 | 754 |
| Sharp | 605 | 573 |
| | 898 | 573 |
| Sylvania | 764 | 764 |
| | 672 | 645 |
| | 777 | 639 |
| | 733 | 764 |
| Toshiba | 622 | 815 |
| | 800 | 646 |
| | 908 | 815 |
| | 865 | 814 |
| | 866 | 815 |
| | 750 | 815 |

TV/DVD/TUNER COMBO CODES

Programming for combination equipment: Program the remote control in TV mode using the TV code, then in DVD mode using the DVD code, and then in AUX mode (press 2 before entering the tuner code) using the tuner code.

| | TV Code | DVD Code | Tuner Code |
|------------------|---------|----------|------------|
| Panasonic | 811 | 734 | 678 |

DVD/VCR COMBO CODES

Programming for combination equipment: Program the remote control in DVD mode using one of the listed DVD codes, and then in AUX mode, first pressing 1 and then using the listed VCR code.

| | DVD Code | VCR Code |
|------------------|----------|----------|
| GoVideo | 693 | 522 |
| | 822 | 524 |
| Panasonic | 734 | 780 |
| | 734 | 777 |
| RCA | 690 | 528 |
| Sansui | 815 | 515 |
| Sony | 817 | 778 |

TV/VCR/TUNER COMBO CODES

| | TV Code | VCR Code | Tuner Code |
|------------------|---------|----------|------------|
| Panasonic | 873 | 783 | 836 |
| | 874 | 784 | 833 |
| | 875 | 785 | 826 |
| | 876 | 786 | 825 |
| | 877 | 787 | 824 |
| | 878 | 788 | 822 |
| | 879 | 789 | 821 |
| | 880 | 790 | 820 |
| | 881 | 791 | 819 |
| | 882 | 792 | 818 |
| | 883 | 793 | 817 |
| | 884 | 794 | 816 |
| | 885 | 795 | 815 |
| | 889 | 809 | 808 |


TV/DVD/VCR COMBO CODES

Programming for combination equipment: Program the remote control in TV mode using the TV code, then in DVD mode using the DVD code, and then in AUX mode (press 1 before entering the VCR code) using the VCR code.

| | TV Code | DVD Code | VCR Code |
|----------------------|---------|----------|----------|
| DiamondVision | 659 | 532 | 641 |

TROUBLESHOOTING

| What's Happening | What's Wrong | What You Can Do |
|--|--|--|
| While performing a remote control procedure, the remote control stops working. | If you don't press a button for 20-30 seconds in a programming sequence, the remote shuts off its programming function. | Start over again. |
| When you press a button on the remote control, the equipment doesn't do what you expect. | <ul style="list-style-type: none"> • The remote may not be in the mode for the equipment you want to control. • The remote control needs to be pointed right at the TV (or other equipment). • The remote control may be missing batteries, the batteries in the remote may be inserted the wrong way, or maybe the batteries are weak or dead. • The remote isn't set up to control the equipment. • No function is assigned in this equipment mode to the button you pressed. | <ul style="list-style-type: none"> • Press the correct mode button to set the remote to the mode for the equipment you want to control. • The remote control uses IR signals to control all equipment except for the receiver (when using UHF). IR signals travel less than 40 feet, and <i>cannot</i> go through walls or other solid objects. You <i>must</i> point the remote control directly at the front of the equipment, with <i>no</i> objects to block the signal path. • If the batteries are missing or dead, put fresh AAA-size batteries in. If the remote has fresh batteries, check whether you put them in the right way. If you didn't, take them out and put them in the right way. • Make sure you set up the remote to control all the equipment you want to use. See <i>Program the Remote to Control Your TV</i> on page C-4 and <i>Programming for Other Equipment</i> on page 2. • Make sure you follow the steps for <i>Learning From Another Device's Remote</i> on page 9 to teach your DISH Network remote the button function(s) to control your own equipment. |
| The receiver does things even though you didn't press any remote control buttons. | UHF signals from a neighbor's remote may be controlling your receiver. | See <i>Avoiding Remote Conflicts</i> on page 13 for instructions to correct this problem. |
| Your picture is snowy (or blue or black). | You have accidentally changed the channel on your TV. | Make sure your TV (and VCR, if one is connected) is tuned to the correct channel. Also try using the RECOVER button as described on page C-6. |

| What's Happening | What's Wrong | What You Can Do |
|---|--|--|
| Your remote control isn't working | <ul style="list-style-type: none"> • The remote control is in the wrong mode. • You might be using the wrong remote control (TV1 or TV2). • Your batteries are worn out. • The remote control's UHF/IR switch is in the wrong position | <ul style="list-style-type: none"> • Make sure the remote control is in the correct mode. For example, if you want to use the satellite receiver, put the remote control in SAT mode (see <i>Remote Control Modes</i> on page 1). • Make sure you are using the correct remote control (TV1 or TV2) for your locations (multi-room receivers only). • Change the batteries as described on page C-2. • Check the UHF/IR switch setting as described on page 14. <p> For all receivers <i>except</i> for the DISH Player-DVR 942, ViP® 222/222k, ViP622 and ViP722/722k DVR: leave the UHF/IR switch in the IR position.</p> |
| When you press the remote control MUTE or VOLUME button, nothing happens. | <ul style="list-style-type: none"> • The remote control may not be set up. • Maybe you're trying to control TV volume, but you set up the remote to control a tuner or amplifier in AUX mode. | <ul style="list-style-type: none"> • See <i>Programming the Remote to Control Your TV</i> on page C-4 and <i>Programming for Other Equipment</i> on page 2. • Set up the remote control to operate <i>either</i> TV volume <i>or</i> tuner/amplifier volume, whichever you want. See page 6. |
| Your UHF Pro remote control does not work well from far away. | You may be experiencing interference from objects near your receiver antenna. | <ul style="list-style-type: none"> • Make sure the UHF antenna is connected to the receiver and not touching anything else. • Vary the tilt angle of the receiver's UHF antenna. Locate the UHF antenna tip away from other electronics equipment or metal surfaces, even if separated by wooden shelving. • Move the receiver to different locations. For best results, place the receiver as high as possible, above all other equipment in your entertainment center. • Place the UHF antenna outside the entertainment center by using a coaxial cable to connect it to the receiver. • Move any nearby off-air antenna away from the UHF remote antenna. Do not place an off-air antenna on your receiver. |
| Your PIP (Picture-In-Picture) button isn't working. | <ul style="list-style-type: none"> • Your receiver doesn't use PIP. • Your receiver isn't in Single Mode. | <ul style="list-style-type: none"> • Upgrade to a receiver with this feature. • Press the MODE button on the front panel (if available). |

LIMITED WARRANTY



This *Limited Warranty* is a legal document. Keep it in a safe place. Remember to keep your *Sales Receipt* for warranty service. We will consider any items you return without a copy of the *Proof of Purchase* to be out of warranty.

This warranty extends *only* to the original user (“you,” “your”) of the DISH Network remote control and is *limited* to the purchase price of the remote control. EchoStar Technologies L.L.C., formerly known as EchoStar Technologies Corporation, and its affiliated companies (“we,” “our,” “us”) warrant this remote control against defects in materials or workmanship as follows.

For one year from the original date of purchase, if we find the remote control is defective subject to the limits of this warranty, we will replace the remote at no charge for parts or labor. We warrant any such work done against defects in materials or workmanship for the remaining part of the original warranty period.

This warranty *does not cover* installation of the DISH Network System; consumer instruction; physical set up or adjustment of any consumer electronic equipment; remote control batteries; signal reception problems; loss of use of the equipment; unused programming charges due to equipment malfunction; cosmetic damage; damage due to lightning, electrical or telephone line surges, fire, flood, or other acts of Nature; accident; misuse; abuse; repair or alteration by other than our factory service; negligence; commercial or institutional use; improper or neglected maintenance; equipment sold AS IS or WITH ALL FAULTS; equipment removal or reinstallation; shipping damage if the equipment was not packed and shipped in the manner we prescribe; nor equipment purchased, serviced, or operated outside the contiguous United States of America.

REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. WE SHALL NOT BE HELD LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY ON THIS DEVICE, NOR FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE RESULTING FROM THE USE OF, OR INABILITY TO USE, THIS DEVICE. UNDER NO CIRCUMSTANCES SHALL OUR LIABILITY, IF ANY, EXCEED THE PURCHASE PRICE PAID FOR THIS DEVICE. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS DEVICE IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. WE RESERVE THE RIGHT TO REFUSE TO HONOR THIS WARRANTY IF WE DETERMINE ANY OF THE ABOVE EXCEPTIONS TO HAVE CAUSED THIS DEVICE NOT TO HAVE PERFORMED PROPERLY. THIS WARRANTY SHALL BE VOID IF ANY FACTORY-APPLIED IDENTIFICATION MARK, INCLUDING BUT NOT LIMITED TO SERIAL OR CONDITIONAL ACCESS NUMBERS, HAS BEEN ALTERED OR REMOVED. THIS WARRANTY SHALL ALSO BE VOID IF THE DEVICE HAS BEEN OPENED BY AN UNAUTHORIZED PERSON (with the exception of opening the battery cover).

This warranty gives you specific legal rights which may vary from state to state. Some states do not allow the exclusion or limitations of incidental or consequential damages, or allow limitations on the duration of an implied warranty, so those limitations may not apply to you.

DISH NETWORK'S EXCHANGE PROGRAMS

DISH Network offers two options if you need to replace your remote control; the Advanced Exchange Program and the Post Receipt Exchange Program.

Advance Exchange Program

The Advanced Exchange Program allows you to have a replacement remote shipped immediately to you. Depending upon where you live, the remote should arrive within 3 to 5 business days. You will not have to return your defective remote to DISH Network using this program.

A shipping charge will be applied for shipping the replacement remote. This is a one-time fee based on DISH Network's competitive bulk shipping rates (additional charges may apply outside the continental U.S.). This fee will be charged to your billing account or valid credit card.

Post Receipt Exchange Program

The Post Receipt Exchange Program does require that you send DISH Network the defective remote control at your cost to determine if the equipment is covered under warranty. To provide faster service, upon receipt of your equipment you will be shipped a replacement. Your original equipment will not be available for return.

If your equipment is not covered under warranty and can be repaired, your billing account or credit card will be charged the standard repair fee for the replacement. If damage to the defective equipment is found, which DISH Network in its sole discretion determines has voided the warranty, or makes the equipment unrepairable, your billing account or credit card will be charged the market price of the replacement.

ACCESSORY WARRANTY

An accessory is any DISH Network branded equipment, displaying the DISH Network logo, excluding the receiver, Smart Card, cables and hookups, and non-mechanical components. A one-year warranty becomes effective upon the activation of the DISH system or date of purchase, if bought separately. A proof of purchase is required to verify the purchase date. If an accessory has an expired warranty, no exchange will be issued. You may purchase replacement accessories from DISH Network or your local retailer.

IF YOU NEED HELP

1. Review this *User Guide*.
2. See *Troubleshooting* on page 31.
3. Call the Customer Service Center at 1-800-333-DISH (3474). Have the date of purchase and your customer account number ready.
 - a. If the representative finds you should return the remote control, you'll get a telephone number to call for a Return Authorization (RA) number. *Before shipping* any equipment to us, you *must* get a Return Authorization number.
 - b. You *must* package returned equipment the right way. Follow the instructions the representative gives you.
 - c. Write the RA number in large, clearly visible characters on the *outside* of the shipping box used to return the equipment.
To avoid confusion and misunderstandings, we will return shipments without an RA number clearly visible on the outside of the box to you at your cost.
 - d. We will:
 - Check the remote control, including whether it is covered under the warranty.
 - Replace any remote we find is defective with a new or refurbished remote, if the defective remote is covered under the warranty. We will ship the replacement remote at our expense.
 - If a defective remote is not covered under the warranty, we will tell you. We may assess you a flat rate charge for a replacement remote, including shipping and insurance.

REGULATORY FACTORS

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to this device may void your authority to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.



**For all your customer needs,
call the Customer Service Center
at 1-800-333-DISH(3474)**

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